International application No.

PCT/US04/36916

IPC(7) US CL	SSIFICATION OF SUBJECT MATTER : B65D 81/00; A01N 1/00; A61K 35/52 : 600/573; 435/2, 307.1; 206/524.1, 525, 527 o International Patent Classification (IPC) or to both n	ational classification and IPC			
B. FIEL	DS SEARCHED				
	ocumentation searched (classification system followed 00/573; 435/2, 307.1; 206/524.1, 525, 527	by classification symbols)			
Documentati	on searched other than minimum documentation to th	e extent that such documents are included	in the fields searched		
Electronic da	ata base consulted during the international search (nam	ne of data base and, where practicable, se	arch terms used)		
C. DOC	UMENTS CONSIDERED TO BE RELEVANT				
Category *	Citation of document, with indication, where a	ppropriate, of the relevant passages	Relevant to claim No.		
X	US 5,961,503 A (SIMMET et al) 05 October 2005 especially col. 2-4 and Fig. 3.	(05.10.2005), whole document,	1-10, 25-27, 32-39, 52, 55, 56, 82		
У Х Y	US 4,690,678 (DOUGLASS-HAMILTON) 01 Sept document and Figs. 1 and 4.	ember 1987 (01.09.1987), see whole	12-15, 17 and 28-31 1-10, 25, and 32-39 		
Y X Y	US 6,493,884 B1 (MULLER et al) 17 December 20 especially col. 2, In 6-18. US 5,569,225 A (FLEURY) 29 October 1996 (29.1)		28-31 1-5, 11, 25-27, 32-39, 50-54 and 82		
Y	US 2001/0044087 A1 (KONTOS) 22 November 20	01 (22.11.2001), see abstract and Fig.	12-15 and 18 14, 15, 17 and 18		
X, E	US 6,864,046 B1 (PRIEN et al) 08 March 2005 (08 Fig. 2.	.03.2005), whole document, especially	1-39, 41, 42, 50-57 and 82		
	documents are listed in the continuation of Box C.	See patent family annex.			
"A" document	pecial categories of cited documents: defining the general state of the art which is not considered to be lar relevance	tegories of cited documents: "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention ance			
•	plication or patent published on or after the international filing	"X" document of particular relevance; the considered novel or cannot be considered when the document is taken along	ered to involve an inventive		
	which may throw doubts on priority claim(s) or which is cited to the publication date of another citation or other special reason (as	"Y" document of particular relevance; the considered to involve an inventive ste combined with one or more other suc being obvious to a person skilled in the	p when the document is h documents, such combination		
"O" document	referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent			
	published prior to the international filing date but later than the				
Date of the ac	e of the actual completion of the international search Date of mailing of the international search A NOV 2005				
03 October 2005 (03.10.2005) Name and mailing address of the ISA/US Authorized officer					
Mai Com P.O.	me and mailing address of the ISA/US Mail Stop PCT, Atm: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Authorized officer Michael Wityshyn Telephone No. 571-272-1600				
	csimile No. (703) 305-3230				

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Box No.	Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This intern	ational search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
ι. 🗀	Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
2.	Claims Nos.: because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3 6.4(a)	Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule
Box No. I	II Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
	ational Searching Authority found multiple inventions in this international application, as follows:
1 2 3	As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims. As all searchable claims could be searched without effort justifying additional fees, this Authority did not invite payment of any additional fees. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. X	No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: 1-39,50-57 and 82 Protest The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee. The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation. No protest accompanied the payment of additional search fees.

Form PCT/ISA/210 (continuation of first sheet(2)) (April 2005)

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ategory *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim N
Α	US 2003/0148365 A1 (MORGAN) 07 August 2003 (07.08.2003), whole document.	1
Α	US 5,055,411 (ERICCSON et al) 08 October 1991 (08.10.1991), whole document.	74
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BOX III. OBSERVATIONS WHERE UNITY OF INVENTION IS LACKING

The inventions listed as Groups I-IV do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons:

This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1. In order for all inventions to be examined, the appropriate additional examination fees must be paid.

Group I, claim(s) 1-39, 50-57 and 82, drawn to a device for the collection of semen, comprising a collection container.

Group II, claim(s) 1, 40-49, drawn to a device for the collection of semen, comprising a collection container and an adapter section.

Group III, claim(s) 58-73, drawn to a method for collecting semen from a male.

Group IV, claim(s) s 74-81 and 83, drawn to a kit for the analysis of a semen sample.

Group V, claims 84-89, drawn to a method for analyzing a semen sample.

The inventions listed as Groups I-IV do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons:

The inventions listed as Groups I-IV do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons:

The special technical feature which links Group I (claims 1-39, 50-57 and 82), Group II (claims 1 and 40-49) and Group III (claims 58-73) is determined to be a semen collecting device. Claim 1, at least, is anticipated or obvious over Morgan (US 2003/0148365 A1). Morgan teaches a semen collection device (See Pg. 2, paragraph 0036). Alternatively, Muller et al (US Patent 6,493,884) teach a device for collection of urine, comprising a chamber with a funnel and reservoir (See abstract & Fig. 2); though Muller et al teach the collection device is for collecting urine, it would be within the purview of one skilled in the art to alternatively use it for semen collection. Consequently, the special technical feature which links Groups I-III, a semen collection device comprising a collection container, does not provide a contribution over the prior art, so unity of invention is lacking. The claims of Group III (claims 74-81 and 83) and Group IV (claims 84-89) tack this feature entirely, so there is no unity of invention between the claims of Groups I or II and the claims of Groups III or IV.

The special technical feature which links Groups III (claims 74-81 and 83) and Group IV (claims 84-89) is determined to be the kit comprising a surface for depositing semen, and means for analyzing the deposited semen. Claim 74, at least, is anticipated by or obvious over Ericcson et al (US Patent 5,055,411). Ericcson et al teach collecting semen samples and depositing the sample on a microscope slide, and analyzing the sample under a fluorescence microscope (See col. 11, ln 1-19). Consequently, the special technical feature which links Groups III and IV, a kit comprising a surface for depositing sperm and means for analyzing the deposited sperm, does not provide a contribution over the prior art, so unity of invention is lacking. The claims of Group I (claims 1-39, 50-57 and 82), Group II (claims 1 and 40-49), and Group III (claims 58-73) lack this feature entirely, so there is no unity of invention between the claims of Groups III or IV and the claims of Groups I-III.

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